

Rail Transit Engineer

Public Utilities Engineer

Agency Name:	Dept. of Public Utilities
Official Title:	Public Utilities Engineer
Functional Title:	Rail Transit Engineer
Occupational Group:	Professional Engineering
Position Type:	Civil Service
Full-Time or Part-Time:	Full-Time
Salary Range:	\$58,211.92 to \$80,502.50 Annually
Bargaining Unit:	09
Shift:	Day
Confidential:	No
Number Of Vacancies:	1
City/Town:	Statewide
Region:	N/A
Facility Location:	Main office located at One South Station, Boston.
Application Deadline:	07-20-2015
Apply Online:	Yes
Posting ID:	J48529

This position is funded from federal grant funds.

Duties:

Conducts engineering studies and safety analysis on railroad and rapid transit rail fixed guideway systems, activities, services, and functions required by Department rules, regulations and orders; review documents, reports, and other memoranda on such matters as accidents, equipment failures, derailments, and other safety violations; analyze MBTA rail fixed guideway system safety program plan for compliance; prepare recommendations for corrective action; prepare periodic audit reports for submission to FTA; prepare and /or review engineering proposals for public highway/grade crossing systems to improve the design of control devices and systems and review proposals for modification or installation of railroad crossing warning devices and interlocking systems to ensure compliance with all applicable safety standards. Perform related work such as recommending the posting of highway signs, barriers and other traffic controls. Prepare written reports and make recommendations as requested; perform related duties as required.

- Conducts engineering studies related to light rail and heavy rail safety regulations as required by the Federal Transit Administration (FTA) State Safety Oversight Program (49 CFR Part 659). Also, through observation, inspection, interviews, evaluations, and conferences to ensure compliance with agency rules, regulations, joint programs, applicable laws, and transit system/rail company operating rules.
- Prepare and/or review engineering proposals for public highway/grade crossing systems to improve the design of control devices and systems and review proposals for modification or installation of railroad grade crossing warning devices and interlocking systems to ensure compliance with all applicable safety standards. Perform related work such as recommending the posting of highway signs, barriers and other traffic controls. Prepare written reports and make recommendations as requested.
- Reviews complaints, reports, documents, and other pertinent information received from the public, agency personnel, and industry officials concerning alleged violations of law, rules, regulations and company

operating rules to determine appropriateness of the complaint, appropriate action to be taken and/or referral to an appropriate agency.

- Maintain liaison with other agency personnel in order to provide information concerning and encourage compliance with relevant laws, rules, and regulations and respond to all inquiries in order to provide information concerning agency policies and procedures.
- Obtain evidence and establish facts concerning complaints and alleged non compliance with laws, rules, regulations and company operating rules by interviewing individuals, conducting on-site inspections for compliance and validity of complaints, and to prepare evidence or documentation for appropriate action.
- Conducts investigations on such matters as accidents, involving injury and fatalities, equipment failures, violations of operating rules and safety regulations, delays in service to determine cause and/or recommend corrective action.
- Make recommendations concerning policies and procedures governing agency activities and on such matters as inspection, investigation of accidents, violations of operating rules and regulations; performs related duties such as maintaining records, responding to inquiries concerning unit activities, testifying at hearings and providing information to interested parties.
- Performs periodic audits as required by rail fixed guideway system safety plan by overseeing and investigating accidents and unacceptable hazardous conditions, reviewing corrective action plans and schedules prepared by Rail Transit Agency, assisting/conducting annual and triennial on-site, safety audits of the Rail Transit Agency.

Qualifications:

Minimum Entrance Requirements:

Applicants must have at least (A) four years of full- time, or equivalent part-time, technical or professional experience in mechanical engineering or electrical engineering work, the major duties of which included the design, construction or operation of facilities for the generation, transmission and/or distribution of light, heat and power and (B) of which at least two years must have been in a professional capacity, or (C) any equivalent combination of the required experience and the substitutions below.

Substitutions:

I. An Associate's degree with a major in mechanical engineering, mechanical engineering technology, electrical engineering or electrical engineering technology may be substituted for a maximum of one year of the required (A) experience.*

II. A Bachelor's degree with a major in mechanical engineering, mechanical engineering technology, or electrical engineering technology or electrical engineering may be substituted for a maximum of two years of the required (A) experience.*

III. A Graduate degree with a major in mechanical engineering, mechanical engineering technology, or electrical engineering technology may be substituted for a maximum of two years of the required (A) experience and one year of the required (B) experience.*

*Education toward such a degree will be prorated on the basis of the proportion of the requirements actually completed.

NOTE: Educational substitution will only be permitted for a maximum of one year of the required (B) experience.

Special Requirements: Possession of a current and valid Massachusetts Class D Motor Vehicle Operator's license.

Preferred Qualifications:

Working knowledge in mechanical or electrical engineering, which includes the field of subway transit operations and/or railroad grade crossing construction, is highly desired.

Comments:

This is a Civil Service position.
Salary is commensurate with experience.
Re-posting of #J47631*

Find Similar Jobs By Searching On These Words: Rail, Rail Safety, Engineering, Guideway, Mechanical Engineering, Electrical Engineering, Transit, FTA

How To Apply:

If you are applying for this position on-line, you must create a profile and [log in](#).

If not applying on-line, please submit via email to: DPU-HR@State.MA.US

*If submitting via email Subject Line should read; Last Name, First Name – Job Title, Job Posting #J48529

Department of Public Utilities
Human Resources Division
One South Station, 5th Floor
Boston, MA 02110

To ensure consideration, resume and cover letter must be postmarked by midnight on the deadline date. Please reference posting #J48529 on all correspondence.

Please help our environment by applying electronically.
Thank you!

Agency Web Address: www.mass.gov/dpu

The Commonwealth acts in good faith to affirmatively recruit a diverse population. If you wish to self-identify, please click on the links below. Completing this form is voluntary. If you choose to self-identify, please note that all Affirmative Action and Disability data is kept in a confidential file.

Link to Disability Form (return this form to the ADA Coordinator listed below)

<http://www.mass.gov/anf/docs/hrd/odeo/veterans/disabled-veteran-applicant-self-id-form.doc>

Link to the Veterans Forms (return this form to the Diversity Officer listed below)

<http://www.mass.gov/anf/docs/hrd/odeo/veterans/gender-race-veteran-applicant-self-id-form.doc>

Diversity Officer/ADA Coordinator:

Theresa Kelly (617) 305-3636

An Equal Opportunity/Affirmative Action Employer.
Females, minorities, veterans, and persons with disabilities are strongly encouraged to apply.